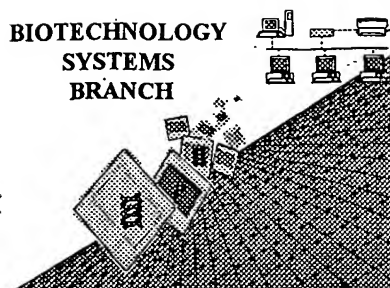


0400

BEST AVAILABLE COPY

RAW SEQUENCE LISTING
ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/015,989
Source: OIP
Date Processed by STIC: 1/3/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/015,989

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OICE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/015,989

DATE: 01/03/2002
TIME: 15:41:56

Input Set : A:\ES.txt
Output Set: N:\CRF3\01032002\J015989.raw

*see item 4 on
Error Summary
Sheet*

Does Not Comply *app 1-12*
Corrected Diskette Needed

7 <110> APPLICANT: DARROW, ANDREW
10 QI, JENSON
13 ANDRADE-GORDON, PATRICIA
19 <120> TITLE OF INVENTION: ZYMOGEN ACTIVATION SYSTEM
25 <130> FILE REFERENCE: ORT-1552
31 <140> CURRENT APPLICATION NUMBER: US/10/015,989
34 <141> CURRENT FILING DATE: 2001-12-10
40 <160> NUMBER OF SEQ ID NOS: 60
46 <170> SOFTWARE: PATENTIN VER. 2.0

ERRORED SEQUENCES

52 <210> SEQ ID NO: 1
55 <211> LENGTH: 361
58 <212> TYPE: DNA
61 <213> ORGANISM: ARTIFICIAL SEQUENCE
67 <220> FEATURE:
70 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
73 VECTORS.
79 <400> SEQUENCE: 1
E--> 82 gaattcacca ccatggacag caaagggttcg tcgcagaaat cccgcctgct
83 cctgctgctg 60
E--> 86 gtggtgtcaa atctactctt gtgccagggt gtggtctccg actacaagga
87 cgacgacgac 120
E--> 90 gtggacgcgg ccgctcttgc tgcccccttt gatgatgatg acaagatcgt
91 tgggggctat 180
E--> 94 gctctagata gggccgctt ccctttagtg agggttaatg cttcgagcag
95 acatgataag 240
E--> 98 atacattgat gagtttggac aaaccacaac tagaatgcag tgaaaaaaat
99 gctttatttg 300
E--> 102 tgaaatttgt gatgctattg ctttatttgt aaccattata agctgcaata
103 aacaagttga 360
106 c
112 <210> SEQ ID NO: 2
115 <211> LENGTH: 301
118 <212> TYPE: DNA
121 <213> ORGANISM: ARTIFICIAL SEQUENCE
127 <220> FEATURE:
130 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
133 VECTORS.
139 <400> SEQUENCE: 2
E--> 142 gaattcacca tgaatccact cctgatcctt acctttgtgg cggccgctct
143 tgctgcccc 60
E--> 146 ttgatgatg atgacaagat cgttgggggc tattgtctag ataccctac
147 gatgtgccg 120
E--> 150 attacgcta gggccgctt ccctttagtg agggttaatg cttcgagcag

*FYI: nucleotides must
be in lower-case letters,
when sequence listing is*

*in new
sequence rules
format*

*60 ← format (see
120 ← error (item 1
on
Error
Summary
Sheet)*

361

same format error

DATE: 01/03/2002

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

151 acatgataag 180
E--> 154 atacattgat gagtttggac aaaccacaac tagaatgcag tgaaaaaaat
155 gctttatttg 240
E--> 158 tgaaatttgt gatgctattg ctttatttgt aaccattata agctgcaata
159 aacaagttga 300
162 c
168 <210> SEQ ID NO: 3
171 <211> LENGTH: 484
174 <212> TYPE: DNA
177 <213> ORGANISM: ARTIFICIAL SEQUENCE
183 <220> FEATURE:
186 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
189 VECTORS.
195 <400> SEQUENCE: 3
E--> 198 gaattcacca ccatggacag caaagggttcg tgcagaaaat cccgcctgct
199 cctgctgctg 60
E--> 202 gtggtgtcaa atctactctt gtgccagggt gtggtctccg actacaagga
203 cgacgacgac 120
E--> 206 gtggacgcgg cgcgtcttgc tgcccccttt atcgaggggc gcattgtgga
207 gggctcggat 180
E--> 210 ctagataccc ctacgatgtg cccgattacg ccgctagata cccctacgat
211 gtgcccgaatt 240
E--> 214 acgccgctag ataccactac gatgtgcccc attacgccgc tagatacccc
215 tacgatgtgc 300
E--> 218 ccgattacgc ctageggccg cttcccttta gtgaggggta atgcttcgag
219 cagacatgat 360
E--> 222 aagatacatt gatgagtttg gacaaaccac aactagaatg cagtgaaaaa
223 aatgctttat 420
E--> 226 ttgtgaaatt tgtgatgcta ttgctttatt tgtaaccatt ataagctgca
227 ataaacaagt 480
230 tgac
236 <210> SEQ ID NO: 4
239 <211> LENGTH: 382
242 <212> TYPE: DNA
245 <213> ORGANISM: ARTIFICIAL SEQUENCE
251 <220> FEATURE:
254 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
257 VECTORS.
263 <400> SEQUENCE: 4
E--> 266 gaattcacca ccatggacag caaagggttcg tgcagaaaat cccgcctgct
267 cctgctgctg 60
E--> 270 gtggtgtcaa atctactctt gtgccagggt gtggtctccg actacaagga
271 cgacgacgac 120
E--> 274 gtggacgcgg cgcgtcttgc tgcccccttt gatgatgatg acaagatcgt
275 tgggggctac 180
E--> 278 aactgtctag acatcaccat caccatcact agcggccgct tccctttagt
279 gagggttaat 240
E--> 282 gcttcgagca gacatgataa gatacattga tgagtttgga caaaccacaa
283 ctagaatgca 300

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/10/015,989

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

E--> 286 gtgaaaaaaaa tgctttattt gtgaaatttg tgatgctatt gctttatttg
 287 taaccattat 360
 290 aagctgcaat aaacaagttg ac
 296 <210> SEQ ID NO: 5
 299 <211> LENGTH: 352
 302 <212> TYPE: DNA
 305 <213> ORGANISM: ARTIFICIAL SEQUENCE
 311 <220> FEATURE:
 314 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
 317 VECTORS.
 323 <400> SEQUENCE: 5
 E--> 326 gaattcacca ccattgcttt cctctggctc ctctcctgct gggccctcct
 327 ggggtaccacc 60
 E--> 330 ttcggctgcg ggggtccccga ctacaaggac gacgacgacg cggccgctct
 331 tgetgcccc 120
 E--> 334 tttgatgatg atgacaagat cggtgggggc tatgctctag acatcaccat
 335 caccatcact 180
 E--> 338 agcggccgct tccctttagt gagggttaat gcttcgagca gacatgataa
 339 gatacattga 240
 E--> 342 tgagtttggg caaacacaa ctagaatgca gtgaaaaaaaa tgctttattt
 343 gtgaaatttg 300
 E--> 346 tgatgctatt gctttatttg taaccattat aagctgcaat aaacaagttg
 347 ac 352
 353 <210> SEQ ID NO: 6
 356 <211> LENGTH: 385
 359 <212> TYPE: DNA
 362 <213> ORGANISM: ARTIFICIAL SEQUENCE
 368 <220> FEATURE:
 371 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
 374 VECTORS.
 380 <400> SEQUENCE: 6
 E--> 383 gaattcacca ccattgcttt cctctggctc ctctcctgct gggccctcct
 384 ggggtaccacc 60
 E--> 387 ttcggctgcg ggggtccccga ctacaaggac gacgacgacg cggccgctct
 388 tgetgcccc 120
 E--> 391 tttgatgatg atgacaagat cggtgggggc tatgctctag ataccctac
 392 gatgtgccc 180
 E--> 395 attacgccgc tagacatcac catcaccatc actagcggcc gcttcccttt
 396 agtgagggtt 240
 E--> 399 aatgcttgcg gcagacatga taagatacat tgatgagttt ggacaaacca
 400 caactagaat 300
 E--> 403 gcagtgaaaa aaatgcttta tttgtgaaat ttgtgatgct attgctttat
 404 ttgtaaccat 360
 407 tataagctgc aataaacaag ttgac
 413 <210> SEQ ID NO: 7
 416 <211> LENGTH: 1169
 419 <212> TYPE: DNA
 422 <213> ORGANISM: ARTIFICIAL SEQUENCE
 428 <220> FEATURE:

382

385

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/10/015,989

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

431 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
 434 WITH HOMO SAPIEN SERINE PROTEASE CATALYTIC DOMAIN
 440 <400> SEQUENCE: 7

E--> 443 gaattcacca ccatggacag caaagggttcg tcgcagaaat cccgcctgct
 444 cctgctgctg 60

E--> 447 gtgggtgtcaa atctactctt gtgccagggt gtgggtctccg actacaagga
 448 cgacgacgac 120

E--> 451 gtggacgcgg ccgctcttgc tgcccccttt gatgatgatg acaagatcgt
 452 tgggggctat 180

E--> 455 gctctagagg ccggctcagtg gccctggcag gtcagcatca cctatgaagg
 456 cgtccatgtg 240

E--> 459 tgtgggtggct ctctcgtgtc tgagcagtgg gtgctgtcag ctgctcactg
 460 ctccccagc 300

E--> 463 gagcaccaca aggaagccta tgagggtcaag ctggggggccc accagctaga
 464 ctctactcc 360

E--> 467 gaggacgcca aggtcagcac cctgaaggac atcatcccc accccagcta
 468 cctccaggag 420

E--> 471 ggctcccagg gcgacattgc actcctccaa ctacgacagc ccatcacctt
 472 ctcccgtac 480

E--> 475 atccggccca tctgcctccc tgcagccaac gcctccttcc ccaacggcct
 476 ccactgcact 540

E--> 479 gtcactggct ggggtcatgt ggccccctca gtgagcctcc tgacgcccac
 480 gccactgcag 600

E--> 483 caactcgagg tgccctctgat cagtcgtgag acgtgtaact gcctgtacaa
 484 catcgacgcc 660

E--> 487 aagcctgagg agccgcactt tgtccaagag gacatggtgt gtgctggcta
 488 tgtggagggg 720

E--> 491 ggcaaggacg cctgccaggg tgactctggg ggccccactct cctgccctgt
 492 ggagggtctc 780

E--> 495 tgggtacctga cgggcattgt gagctgggga gatgcctgtg gggcccgcac
 496 caggcctggt 840

E--> 499 gtgtacactc tggcctccag ctatgcctcc tggatccaaa gcaagggtgac
 500 agaactccag 900

E--> 503 cctcgtgtgg tgccccaaac ccaggagtcc cagcccgaca gcaacctctg
 504 tggcagccac 960

E--> 507 ctggccttca gctctagaca tcaccatcac catcactagc ggccgcttcc
 508 ctttagtgag 1020

E--> 511 ggттаатgct tcgagcagac atgataagat acattgatga gtttgacaa
 512 accacaacta 1080

E--> 515 gaatgcagtg aaaaaaatgc tttatttggtg aaatttggtg tgctattgct
 516 ttatttgtaa 1140

519 ccattataag ctgcaataaa caagttgac

525 <210> SEQ ID NO: 8

528 <211> LENGTH: 1142

531 <212> TYPE: DNA

534 <213> ORGANISM: ARTIFICIAL SEQUENCE

540 <220> FEATURE:

543 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
 546 WITH HOMO SAPIEN SERINE PROTEASE CATALYTIC DOMAIN

1169

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/10/015,989

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

552 <400> SEQUENCE: 8

E--> 555 gaattcacca ccatggcttt cctctggctc ctctcctgct gggccctcct
 556 ggggtaccacc 60
 E--> 559 ttcggtgcg ggggtcccgga ctacaaggac gacgacgacg cggccgctct
 560 tgcgtgcccc 120
 E--> 563 tttgatgatg atgacaagat cgttgggggc tatgctctag aggccgggtca
 564 gtggccctgg 180
 E--> 567 caggtcagca tcacctatga aggcgtccat gtgtgtggtg gctctctcgt
 568 gtctgagcag 240
 E--> 571 tgggtgctgt cagctgctca ctgcttcccc agcgagcacc acaaggaagc
 572 ctatgaggtc 300
 E--> 575 aagctggggg cccaccagct agactcctac tccgaggacg ccaaggtcag
 576 caccctgaag 360
 E--> 579 gacatcatcc cccacccag ctacctcag gagggtccc agggcgacat
 580 tgcactcctc 420
 E--> 583 caactcagca gacctatcac cttctcccgc tacatccggc ccacttgct
 584 cctgcagcc 480
 E--> 587 aacgcctcct tcccacagg cctccactgc actgtcactg gctgggggtca
 588 tgtggcccc 540
 E--> 591 tcagtggc tctgagcc caagccactg cagcaactcg aggtgcctct
 592 gatcagtcgt 600
 E--> 595 gagacgtgta actgcctgta caacatcgac gccaaacctg aggagccgca
 596 ctttgtccaa 660
 E--> 599 gaggacatgg tgtgtgctgg ctatgtggag gggggcaagg acgcctgcca
 600 gggtgactct 720
 E--> 603 gggggccccc tctcctgccc tgtggagggt ctctgggtacc tgacgggcat
 604 tgtgagctgg 780
 E--> 607 ggagatgcct gtggggcccc caacaggcct ggtgtgtaca ctctggcctc
 608 cagctatgcc 840
 E--> 611 tcctggatcc aaagcaaggt gacagaactc cagcctcgtg tgggtgcccc
 612 aacctcaggag 900
 E--> 615 tccagcccc acagcaacct ctgtggcagc cacctggcct tcagctctag
 616 acatcaccat 960
 E--> 619 caccatcact agcggccgct tccctttagt gagggttaat gcttcgagca
 620 gacatgataa 1020
 E--> 623 gatacattga tgagtttgga caaaccacaa ctagaatgca gtgaaaaaaaa
 624 tgctttattt 1080
 E--> 627 gtgaaatttg tgatgctatt gctttatttg taaccattat aagctgcaat
 628 aaacaagttg 1140
 631 ac

1142

637 <210> SEQ ID NO: 9

640 <211> LENGTH: 1049

643 <212> TYPE: DNA

646 <213> ORGANISM: ARTIFICIAL SEQUENCE

652 <220> FEATURE:

655 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE

658 WITH HOMO SAPIEN SERINE PROTEASE CATALYTIC DOMAIN

664 <400> SEQUENCE: 9

E--> 667 gaattcacca ccatggacag caaaggttcg tcgcagaaat cccgcctgct

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/10/015,989

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

668 cctgctgctg 60
 E--> 671 gtggtgtcaa atctactctt gtgccagggt gtggtctccg actacaagga
 672 cgacgacgac 120
 E--> 675 gtggacgcgg ccgctcttgc tgcccccttt gatgatgatg acaagatcgt
 676 tggggggtac 180
 E--> 679 aactgtctag aaccccatte gcagccttgg caggcggcct tgttcaggga
 680 ccagcaacta 240
 E--> 683 ctctgtggcg gtgtccttgt aggtggcaac tgggtcctta cagctgccca
 684 ctgtaaaaaa 300
 E--> 687 ccgaaataca cagtacgcct gggagaccac agcctacaga ataaagatgg
 688 ccagagcaa 360
 E--> 691 gaaatacctg tggttcagtc catcccacac ccctgctaca acagcagcga
 692 tgtggaggac 420
 E--> 695 cacaaccatg atctgatget tcttcaactg cgtgaccagg catccctggg
 696 gtccaaagt 480
 E--> 699 aagcccatca gcctggcaga tcattgcacc cagcctggcc agaagtgcac
 700 cgtctcaggc 540
 E--> 703 tggggcactg tcaccagtcc ccgagagaat tttctgaca ctctcaactg
 704 tgcagaagta 600
 E--> 707 aaaatctttc ccagaagaa gtgtgaggat gcttaccggg ggcagatcac
 708 agatggcatg 660
 E--> 711 gtctgtgcag gcagcagcaa aggggctgac acgtgccagg gcgattctgg
 712 agggccctg 720
 E--> 715 gtgtgtgatg gtgcactcca gggcatcaca tctgggggt cagaccctg
 716 tgggaggtcc 780
 E--> 719 gacaaacctg gcgtctatac caacatctgc cgctacctgg actggatcaa
 720 gaagatcata 840
 E--> 723 ggcagcaagg gctctagaca tcaccatcac catcactagg ggcgcttcc
 724 ctttagtgag 900
 E--> 727 ggttaatgct tcgagcagac atgataagat acattgatga gtttggacaa
 728 accacaacta 960
 E--> 731 gaattcagtg aaaaaaatgc tttatttgtg aaatttgtga tgctattgct
 732 ttatttgtaa 1020
 735 ccattataag ctgcaataaa caagttgac
 741 <210> SEQ ID NO: 10
 744 <211> LENGTH: 1052
 747 <212> TYPE: DNA
 750 <213> ORGANISM: ARTIFICIAL SEQUENCE
 756 <220> FEATURE:
 759 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
 762 WITH HOMO SAPIEN SERINE PROTEASE CATALYTIC DOMAIN
 768 <400> SEQUENCE: 10
 E--> 771 gaattcacca ccatggacag caaagggttcg tcgcagaaat cccgcctgct
 772 cctgctgctg 60
 E--> 775 gtggtgtcaa atctactctt gtgccagggt gtggtctccg actacaagga
 776 cgacgacgac 120
 E--> 779 gtggacgcgg ccgctcttgc tgcccccttt gatgatgatg acaagatcgt
 780 tggggggtac 180
 E--> 783 aactgtctag aaaagcactc ccagccctgg caggcagccc tgttcgagaa

1049

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/10/015,989

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

784 gacgcggcta 240
 E--> 787 ctctgtgggg cgacgtcat cgccccaga tggctcctga cagcagccca
 788 ctgcctcaag 300
 E--> 791 ccccgctaca tagttcacct ggggcagcac aacctccaga aggaggagg
 792 ctgtgagcag 360
 E--> 795 acccgagacag ccactgagtc cttccccac cccggcttca acaacagcct
 796 ccccaacaaa 420
 E--> 799 gaccaccgca atgacatcat gctgggtgaag atggcatcgc cagtctccat
 800 cacctgggct 480
 E--> 803 gtgcgacccc tcacctctc ctcacgtctgt gtcactgctg gcaccagctg
 804 cctcatttcc 540
 E--> 807 ggctggggca gcacgtccag cccccagtta cgctgcctc acaccttgcg
 808 atgcgccaac 600
 E--> 811 atcaccatca ttgagcacca gaagtgtgag aacgcctacc ccggcaacat
 812 cacagacacc 660
 E--> 815 atggtgtgtg ccagcgtgca ggaagggggc aaggactcct gccaggggtga
 816 ctccgggggc 720
 E--> 819 cctctgggtc gtaaccagtc tcttcaaggc attatctcct ggggccagga
 820 tccgtgtgcg 780
 E--> 823 atcaccgaa agcctgggtg ctacacgaaa gtctgcaaat atgtggactg
 824 gatccaggag 840
 E--> 827 acgatgaaga acaattctag acatcaccat caccatcact agcggccgct
 828 tccctttagt 900
 E--> 831 gagggttaat gcttcgagca gacatgataa gatacattga tgagtttgga
 832 caaaccacaa 960
 E--> 835 ctagaatgca gtgaaaaaaaa tgctttattt gtgaaatttg tgatgctatt
 836 gctttatttg 1020
 839 taaccattat aagctgcaat aaacaagttg ac

1052

1067 <210> SEQ ID NO: 12
 1070 <211> LENGTH: 319
 1073 <212> TYPE: PRT
 1076 <213> ORGANISM: ARTIFICIAL SEQUENCE
 1082 <220> FEATURE:
 1085 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
 1088 WITH HOMO SAPIEN SERINE PROTEASE CATALYTIC DOMAIN
 1094 <400> SEQUENCE: 12

1097 MET ALA PHE LEU TRP LEU LEU SER CYS TRP ALA LEU LEU GLY THR THR
 1100 1 5 10 15
 1106 PHE GLY CYS GLY VAL PRO ASP TYR LYS ASP ASP ASP ASP ALA ALA ALA
 1109 20 25 30
 1115 LEU ALA ALA PRO PHE ASP ASP ASP ASP LYS ILE VAL GLY GLY TYR ALA
 1118 35 40 45
 1124 LEU GLU ALA GLY GLN TRP PRO TRP GLN VAL SER ILE THR TYR GLU GLY
 1127 50 55 60
 1133 VAL HIS VAL CYS GLY GLY SER LEU VAL SER GLU GLN TRP VAL LEU SER
 1136 65 70 75 80
 1142 ALA ALA HIS CYS PHE PRO SER GLU HIS HIS LYS GLU ALA TYR GLU VAL
 1145 85 90 95
 1151 LYS LEU GLY ALA HIS GLN LEU ASP SER TYR SER GLU ASP ALA LYS VAL

see
P. 8, too

Per sequence
 Rules (1.822)
 only the first
 letter of
 amino acid is
 in upper-case.
 e.g. Met Ala

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/10/015,989

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

```

1154          100          105          110
1160 SER THR LEU LYS ASP ILE ILE PRO HIS PRO SER TYR LEU GLN GLU GLY
1163          115          120          125
1169 SER GLN GLY ASP ILE ALA LEU LEU GLN LEU SER ARG PRO ILE THR PHE
1172          130          135          140
1178 SER ARG TYR ILE ARG PRO ILE CYS LEU PRO ALA ALA ASN ALA SER PHE
1181 145          150          155          160
1187 PRO ASN GLY LEU HIS CYS THR VAL THR GLY TRP GLY HIS VAL ALA PRO
1190          165          170          175
1196 SER VAL SER LEU LEU THR PRO LYS PRO LEU GLN GLN LEU GLU VAL PRO
1199          180          185          190
1205 LEU ILE SER ARG GLU THR CYS ASN CYS LEU TYR ASN ILE ASP ALA LYS
1208          195          200          205
1214 PRO GLU GLU PRO HIS PHE VAL GLN GLU ASP MET VAL CYS ALA GLY TYR
1217          210          215          220
1223 VAL GLU GLY GLY LYS ASP ALA CYS GLN GLY ASP SER GLY GLY PRO LEU
1226 225          230          235          240
1232 SER CYS PRO VAL GLU GLY LEU TRP TYR LEU THR GLY ILE VAL SER TRP
1235          245          250          255
1241 GLY ASP ALA CYS GLY ALA ARG ASN ARG PRO GLY VAL TYR THR LEU
E--> 1242 ALA
E--> 1245          260          265          270
1251 SER SER TYR ALA SER TRP ILE GLN SER LYS VAL THR GLU LEU GLN PRO
E--> 1254          275          280          285
1260 ARG VAL VAL PRO GLN THR GLN GLU SER GLN PRO ASP SER ASN LEU CYS
E--> 1263          290          295          300
1269 GLY SER HIS LEU ALA PHE SER SER ARG HIS HIS HIS HIS HIS HIS
E--> 1272 305          310          315
2409 <210> SEQ ID NO: 35
2412 <211> LENGTH: 55
2415 <212> TYPE: DNA
2418 <213> ORGANISM: ARTIFICIAL SEQUENCE
2424 <220> FEATURE:
2427 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
2430 OLIGONUCLEOTIDE
2436 <400> SEQUENCE: 35
E--> 2439 aattcaccac catggtttc ctctggctcc tctcctgctg ggccctcctg
2440 ggtac 55
2446 <210> SEQ ID NO: 36
2449 <211> LENGTH: 47
2452 <212> TYPE: DNA
2455 <213> ORGANISM: ARTIFICIAL SEQUENCE
2461 <220> FEATURE:
2464 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
2467 OLIGONUCLEOTIDE
2473 <400> SEQUENCE: 36
E--> 2476 ccaggagggc ccagcaggag aggagccaga ggaaagccat ggtgggtg
2477 47
2483 <210> SEQ ID NO: 37

```

*convert
last two letters of
amino acids
to lower-case
letters*

move up

*move up - see
item 1
on Error
summary
sheet*

*same
error*

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/10/015,989

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

2486 <211> LENGTH: 45
 2489 <212> TYPE: DNA
 2492 <213> ORGANISM: ARTIFICIAL SEQUENCE
 2498 <220> FEATURE:
 2501 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
 2504 OLIGONUCLEOTIDE
 2510 <400> SEQUENCE: 37
 E--> 2513 caccttcggc tgcgggggtcc ccgactacaa ggacgacgac gacgc *same*
 2514 45
 2520 <210> SEQ ID NO: 38
 2523 <211> LENGTH: 53
 2526 <212> TYPE: DNA
 2529 <213> ORGANISM: ARTIFICIAL SEQUENCE
 2535 <220> FEATURE:
 2538 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
 2541 OLIGONUCLEOTIDE
 2547 <400> SEQUENCE: 38
 E--> 2550 ggccgcgtcg tcgtcgtcct tgtagtcggg gaccccgag ccgaaggtgg *same*
 2551 tac 53
 2629 <210> SEQ ID NO: 41
 2632 <211> LENGTH: 55
 2635 <212> TYPE: DNA
 2638 <213> ORGANISM: ARTIFICIAL SEQUENCE
 2644 <220> FEATURE:
 2647 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
 2650 OLIGONUCLEOTIDE
 2656 <400> SEQUENCE: 41
 E--> 2659 ggccgctctt gctgccccct ttgatgatga tgacaagatc gttgggggct *same*
 2660 atgct 55
 2666 <210> SEQ ID NO: 42
 2669 <211> LENGTH: 55
 2672 <212> TYPE: DNA
 2675 <213> ORGANISM: ARTIFICIAL SEQUENCE
 2681 <220> FEATURE:
 2684 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
 2687 OLIGONUCLEOTIDE
 2693 <400> SEQUENCE: 42
 E--> 2696 ctagagcata gcccacaacg atcttgtcat catcatcaaa gggggcagca *same*
 2697 agagc 55
 2703 <210> SEQ ID NO: 43
 2706 <211> LENGTH: 55
 2709 <212> TYPE: DNA
 2712 <213> ORGANISM: ARTIFICIAL SEQUENCE
 2718 <220> FEATURE:
 2721 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
 2724 OLIGONUCLEOTIDE
 2730 <400> SEQUENCE: 43
 E--> 2733 ggccgctctt gctgccccct ttgatgatga tgacaagatc gttgggggct *same*
 2734 attgt 55

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/015,989

DATE: 01/03/2002

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

2740 <210> SEQ ID NO: 44
 2743 <211> LENGTH: 55
 2746 <212> TYPE: DNA
 2749 <213> ORGANISM: ARTIFICIAL SEQUENCE
 2755 <220> FEATURE:
 2758 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
 2761 OLIGONUCLEOTIDE
 2767 <400> SEQUENCE: 44
 E--> 2770 ctagacaata gcccccaacg atcttgtcat catcatcaaa gggggcagca *same*
 2771 agagc 55
 2777 <210> SEQ ID NO: 45
 2780 <211> LENGTH: 52
 2783 <212> TYPE: DNA
 2786 <213> ORGANISM: ARTIFICIAL SEQUENCE
 2792 <220> FEATURE:
 2795 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
 2798 OLIGONUCLEOTIDE
 2804 <400> SEQUENCE: 45
 E--> 2807 ggccgctctt gctgccccct ttatcgaggg ggcattgtg gagggtcgg *same*
 2808 at 52
 2814 <210> SEQ ID NO: 46
 2817 <211> LENGTH: 52
 2820 <212> TYPE: DNA
 2823 <213> ORGANISM: ARTIFICIAL SEQUENCE
 2829 <220> FEATURE:
 2832 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
 2835 OLIGONUCLEOTIDE
 2841 <400> SEQUENCE: 46
 E--> 2844 ctagatccga gccctccaca atgcgcccct cgataaaggg ggcagcaaga *same*
 2845 gc 52
 3280 <210> SEQ ID NO: 54
 3283 <211> LENGTH: 284
 3286 <212> TYPE: PRT
 3289 <213> ORGANISM: ARTIFICIAL SEQUENCE
 3295 <220> FEATURE:
 3298 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: HUMAN MH2
 3301 PROTEASE IN PFEK ZYMOGEN VECTOR
 3307 <400> SEQUENCE: 54
 3310 MET ASP SER LYS GLY SER SER GLN LYS SER ARG LEU LEU LEU LEU LEU
 3313 1 5 10 15
 3319 VAL VAL SER ASN LEU LEU LEU CYS GLN GLY VAL VAL SER ASP TYR LYS
 3322 20 25 30
 3328 ASP ASP ASP ASP VAL ASP ALA ALA ALA LEU ALA ALA PRO PHE ASP ASP
 3331 35 40 45
 3337 ASP ASP LYS ILE VAL GLY GLY TYR ASN CYS LEU GLU PRO HIS SER GLN
 3340 50 55 60
 3346 PRO TRP GLN ALA ALA LEU VAL MET GLU ASN GLU LEU PHE CYS SER GLY
 3349 65 70 75 80
 3355 VAL LEU VAL HIS PRO GLN TRP VAL LEU SER ALA ALA HIS CYS PHE GLN

*please
 edit
 amino acid
 letters*

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/015,989

DATE: 01/03/2002

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

```

3358          85          90          95
3364 ASN SER TYR THR ILE GLY LEU GLY LEU HIS SER LEU GLU ALA ASP GLN
3367          100          105          110
3373 GLU PRO GLY SER GLN MET VAL GLU ALA SER LEU SER VAL ARG HIS PRO
3376          115          120          125
3382 GLU TYR ASN ARG PRO LEU LEU ALA ASN ASP LEU MET LEU ILE LYS LEU
3385          130          135          140
3391 ASP GLU SER VAL SER GLU SER ASP THR ILE ARG SER ILE SER ILE ALA
3394 145          150          155          160
3400 SER GLN CYS PRO THR ALA GLY ASN SER CYS LEU VAL SER GLY TRP GLY
3403          165          170          175
3409 LEU LEU ALA ASN GLY ARG MET PRO THR VAL LEU GLN CYS VAL ASN
E--> 3410 VAL
E--> 3413          180          185          190
3419 SER VAL VAL SER GLU GLU VAL CYS SER LYS LEU TYR ASP PRO LEU TYR
E--> 3422          195          200          205
3428 HIS PRO SER MET PHE CYS ALA GLY GLY GLY HIS ASP GLN LYS ASP SER
E--> 3431          210          215          220
3437 CYS ASN GLY ASP SER GLY GLY PRO LEU ILE CYS ASN GLY TYR LEU GLN
E--> 3440 225          230          235          240
3446 GLY LEU VAL SER PHE GLY LYS ALA PRO CYS GLY GLN VAL GLY VAL PRO
E--> 3449          245          250          255
3455 GLY VAL TYR THR ASN LEU CYS LYS PHE THR GLU TRP ILE GLU LYS THR
E--> 3458          260          265          270
3464 VAL GLN ALA SER SER ARG HIS HIS HIS HIS HIS HIS
E--> 3467          275          280
3608 <210> SEQ ID NO: 59
3611 <211> LENGTH: 1103
3614 <212> TYPE: DNA
3617 <213> ORGANISM: ARTIFICIAL SEQUENCE
3623 <220> FEATURE:
3626 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: NUCLEIC ACID
3629     SEQUENCE OF HUMAN PROTEASE F IN CFK2 ZYMOGEN
3632     VECTOR
3638 <400> SEQUENCE: 59
E--> 3641 gaattcacca ccattgcttt cctctggctc ctctctctgt gggccctcct
3642 gggtaccacc 60
E--> 3645 ttctggctgcg gggtccccga ctacaaggac gacgacgacg cgcccgctct
3646 tgcctgcccc 120
E--> 3649 tttgatgatg atgacaagat cgttgggggc tatgctctag aactcgggag
3650 ttggcctgtg 180
E--> 3653 caggggagcc tgcgcctgtg ggattcccaac gtatgcggag tgagcctgct
3654 cagccaccgc 240
E--> 3657 tgggcactca cggcggcgca ctgctttgaa acctatagtg acctagtgga
3658 tccctccggg 300
E--> 3661 tggatgggtcc agtttgcca gctgacttcc atgccatcct tctggagcct
3662 gcaggcctac 360
E--> 3665 tacaaccgtt acttcgtatc gaatatctat ctgagccctc gctacctggg
3666 gaattcaccc 420

```

*mod up**format
env**see item 1
on Env summary
sheet*

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/10/015,989

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

E--> 3669 tatgacattg ccttggtgaa gctgtctgca cctgtcacct acactaaaca
 3670 catccagccc 480

E--> 3673 atctgtctcc aggcctccac atttgagttt gagaaccgga cagactgctg
 3674 ggtgactggc 540

E--> 3677 tgggggtaca tcaaagagga tgaggcactg ccatctcccc acaccctcca
 3678 ggaagttcag 600

E--> 3681 gtgcgccatca taaacaactc tatgtgcaac cacctcttcc tcaagtacag
 3682 tttccgcaag 660

E--> 3685 gacatctttg gagacatggt ttgtgctggc aatgcccaag gcgggaagga
 3686 tgctgtcttc 720

E--> 3689 ggtgactcag gtggaccctt ggctgtaac aagaatggac tgtggtatca
 3690 gattggagtc 780

E--> 3693 gtgagctggg gagtgggctg tggctggccc aatcggcccg gtgtctacac
 3694 caatatcagc 840

E--> 3697 caccactttg agtggatcca gaagctgatg gccagagtg gcatgtccca
 3698 gccagacccc 900

E--> 3701 tcttgggtcta gacatcacca tcaccatcac tagcggcgcg ttccctttag
 3702 tgagggttaa 960

E--> 3705 tgcttcgagc agacatgata agatacattg atgagtttgg acaaaccaca
 3706 actagaatgc 1020

E--> 3709 agtgaaaaaa atgctttatt tgtgaaattt gtgatgctat tgctttattt
 3710 gtaaccatta 1080

3713 taagctgcaa taaacaagtt gac

*same
error*

1103



Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 01/03/2002

PATENT APPLICATION: US/10/015,989

TIME: 15:41:57

Input Set.: A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

L:31 M:270 C: Current Application Number differs, Replaced Application Number
L:34 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:82 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:1
L:82 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=1
M:254 Repeated in SeqNo=1
L:142 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:2
M:112 Repeated in SeqNo=2
M:254 Repeated in SeqNo=2
L:198 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:3
M:112 Repeated in SeqNo=3
M:254 Repeated in SeqNo=3
L:266 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:4
M:112 Repeated in SeqNo=4
M:254 Repeated in SeqNo=4
L:326 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:5
M:112 Repeated in SeqNo=5
M:254 Repeated in SeqNo=5
L:383 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:6
M:112 Repeated in SeqNo=6
M:254 Repeated in SeqNo=6
L:443 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:7
M:112 Repeated in SeqNo=7
M:254 Repeated in SeqNo=7
L:555 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:8
M:112 Repeated in SeqNo=8
M:254 Repeated in SeqNo=8
L:667 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:9
M:112 Repeated in SeqNo=9
M:254 Repeated in SeqNo=9
L:771 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:10
M:112 Repeated in SeqNo=10
M:254 Repeated in SeqNo=10
L:1242 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:12
M:332 Repeated in SeqNo=12
L:1719 M:112 C: (48) String data converted to lower case,
L:1755 M:112 C: (48) String data converted to lower case,
L:1791 M:112 C: (48) String data converted to lower case,
L:1827 M:112 C: (48) String data converted to lower case,
L:1863 M:112 C: (48) String data converted to lower case,
L:1899 M:112 C: (48) String data converted to lower case,
L:1935 M:112 C: (48) String data converted to lower case,
L:1971 M:112 C: (48) String data converted to lower case,
L:2007 M:112 C: (48) String data converted to lower case,
L:2043 M:112 C: (48) String data converted to lower case,
L:2079 M:112 C: (48) String data converted to lower case,
L:2115 M:112 C: (48) String data converted to lower case,
L:2151 M:112 C: (48) String data converted to lower case,

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/015,989

DATE: 01/03/2002

TIME: 15:41:57

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

L:2187 M:112 C: (48) String data converted to lower case,
L:2223 M:112 C: (48) String data converted to lower case,
L:2259 M:112 C: (48) String data converted to lower case,
L:2295 M:112 C: (48) String data converted to lower case,
L:2331 M:112 C: (48) String data converted to lower case,
L:2367 M:112 C: (48) String data converted to lower case,
L:2403 M:112 C: (48) String data converted to lower case,
L:2439 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:35
M:112 Repeated in SeqNo=35
L:2476 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:47 SEQ:36
M:112 Repeated in SeqNo=36
L:2513 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:45 SEQ:37
M:112 Repeated in SeqNo=37
L:2550 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:38
M:112 Repeated in SeqNo=38
L:2587 M:112 C: (48) String data converted to lower case,
L:2623 M:112 C: (48) String data converted to lower case,
L:2659 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:41
M:112 Repeated in SeqNo=41
L:2696 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:42
M:112 Repeated in SeqNo=42
L:2733 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:43
M:112 Repeated in SeqNo=43
L:2770 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:44
M:112 Repeated in SeqNo=44
L:2807 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:45
M:112 Repeated in SeqNo=45
L:2844 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:46
M:112 Repeated in SeqNo=46
L:2881 M:112 C: (48) String data converted to lower case,
L:2917 M:112 C: (48) String data converted to lower case,
L:2953 M:112 C: (48) String data converted to lower case,
L:2989 M:112 C: (48) String data converted to lower case,
L:3025 M:112 C: (48) String data converted to lower case,
L:3061 M:112 C: (48) String data converted to lower case,
L:3410 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:54
M:332 Repeated in SeqNo=54
L:3503 M:112 C: (48) String data converted to lower case,
L:3641 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:59
M:254 Repeated in SeqNo=59
L:3752 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:60
M:254 Repeated in SeqNo=60